

IN THE CLAIMS

Please amend the claims as follows:

1. (Cancelled)
2. (Currently Amended) A method, comprising:
receiving a packet at a port filter, wherein the packet comprises a port number;
determining whether there is a host application associated with the port number;
when there is not a host application associated with the port number, discarding the
packet; and
when there is a host application assigned to the port number, sending a wake-up message
to a power-managed host computer that is ~~one of a laptop computer and a portable computer~~
operable in either a power-managed state or an operational state.
3. (Cancelled)
4. (Cancelled)
5. (Currently Amended) The method of claim 2, further comprising:
receiving information from the host computer; and
using the information to carry out ~~[[the]]~~ determining whether there is the host
application associated with the port number~~operation~~, wherein the information comprises
executable instructions.
- 6-8. (Cancelled)

9. (Currently Amended) The method of claim 2, further comprising:
detecting a port in use by the host application;
selecting information based on the port in use by the host application; and
sending the information to the port filter, wherein the port filter uses the information to
carry out [[the]] determining whether there is the host application associated with the port
number~~operation~~, wherein the information comprises executable instructions.

10-11. (Cancelled)

12. (Previously Presented) A signal-bearing media comprising instructions, wherein the
instructions when read and executed by a processor comprise:
receiving a packet comprising a port number;
determining whether there is a host application associated with the number; and
when there is a host application associated with the port number, sending a wake-up
message to a power-managed host computer that is one of a laptop computer and a portable
computer operable in either a power-managed state or an operational state.

13. (Original) The signal-bearing media of claim 12 further comprising:
when there is not a host application assigned to the port, discarding the packet.

14. (Cancelled)

15. (Currently Amended) The signal-bearing media of claim 12, further comprising:
receiving information from the host computer; and
using the information to carry out [[the]] determining whether there is the host
application associated with the number ~~operation~~.

16. (Original) The signal-bearing media of claim 15, wherein the information comprises
executable instructions.

17. (Previously Presented) The signal-bearing media of claim 15, wherein the information comprises data, and wherein the data is to describe the host application.
18. (Previously Presented) The signal-bearing media of claim 15, wherein the information comprises data, and wherein the data is to describe the port number.
19. (Currently Amended) The signal-bearing media of claim 12, further comprising:
 - detecting a port in use by the host application;
 - selecting information based on the port in use by the host application; and
 - sending the information to a port filter, wherein the port filter uses the information to carry out [[the]] determining whether there is the host application associated with the number operation.
20. (Original) The signal-bearing media of claim 19, wherein the information comprises executable instructions.
21. (Previously Presented) The signal-bearing media of claim 19, wherein the information comprises data, wherein the data describes the host application.
22. (Previously Presented) The signal-bearing media of claim 19, wherein the information comprises data, wherein the data describes the port number.
23. (Currently Amended) An apparatus, comprising:
 - a port filter to
 - receive a packet comprising a port number,
 - determine whether there is a host application associated with the port number, and
 - send a wake-up message to a host computer when there is a host application associated with the port number, wherein the host computer is ~~a power-managed laptop or portable computer~~ operable in either a power-managed state or an operational state.

24. (Previously Presented) The apparatus of claim 23, wherein the port filter further is to:
discard the packet when there is not a host application associated with the port number.
25. (Currently Amended) The apparatus of claim 23, wherein the port filter further is to:
receive program information from the host computer; and
use the program information to execute ~~[[the]]~~ determining whether there is the host application associated with the port number operation.
26. (Original) The apparatus of claim 25, wherein the program information comprises executable instructions.
27. (Previously Presented) The apparatus of claim 25, wherein the program information comprises data to describe the host application.
28. (Previously Presented) The apparatus of claim 25, wherein the program information comprises data to describe the port number.
29. (Currently Amended) The apparatus of claim 23, wherein the wake-up message is to cause the host computer to change from the ~~[[a]]~~ power-managed state to the ~~[[an]]~~ operational state.
30. (New) The method of claim 2 further comprising sending the packet to the power-managed host computer when there is a host application associated with the port number.
31. (New) The method of claim 2 further comprising applying a first stage filter to:
receive the packet;
interrogate the packet as to whether the packet includes data that matches selected data of the host computer;
forward the packet when the packet includes data that matches selected data of the host computer; and

reject the packet when the packet does not include data that matches selected data of the host computer.

32. (New) The method of claim 31 wherein the first stage filter includes a pattern filter.

33. (New) An apparatus, comprising:

a first stage filter to:

receive a packet;

interrogate the packet as to whether the packet includes data that matches selected data of a host computer; and

reject the packet when the packet does not include data that matches selected data of the host computer;

a second stage filter to:

receive the packet comprising a port number;

determine whether there is a host application associated with the port number; and

reject the packet when there is not a host application associated with the port number,

wherein the apparatus further is to present the packet to the host computer when there is a host application associated with the port number and when the packet includes data that matches the selected data of the host computer.

34. (New) The apparatus of claim 33 wherein when there is a host application associated with the port number and when the packet includes data that matches the selected data of the host computer, the apparatus further is to send a wake-up message to the host computer, wherein the host computer is operable in either a power-managed state or an operational state.

35. (New) The apparatus of claim 33 wherein the first stage filter includes a pattern filter and the second stage filter includes a port filter.

36. (New) A method, comprising:

receiving a packet at a first stage filter to interrogate the packet as to whether the packet includes data that matches selected data of a host computer;

rejecting the packet when the packet does not include data that matches selected data of the host computer;

receiving the packet at a second stage filter, wherein the packet comprises a port number;

determining whether there is a host application associated with the port number at the second stage filter; and

rejecting the packet when there is not a host application associated with the port number.

37. (New) The method of claim 36, when there is a host application associated with the port number and when the packet includes the data that matches the selected data of the host computer, the method further comprising selecting from a group including:

sending a wake-up message to the host computer that is operable in either a power-managed state or an operational state, and

presenting the packet to the host computer.

38. (New) The method of claim 36 wherein the first stage filter includes a pattern filter and the second stage filter includes a port filter.